

# Round Out Your Complement of Essential Research Tools with ASM Journals on Compact Discs!

*ASM/CD-ROM in your  
office and laboratory offers a  
combination of features that  
is found nowhere else...*

- monthly discs or year-end archival discs
- MS-DOS or Macintosh
- exact page images + ASCII text to display or print
- **enhanced halftone quality in 1994**
- quick search capabilities
- multilingual (English, French, Spanish, German) command lines
- color images of published color plates
- free storage binder with inserts
- toll-free hotline for technical help
- tested by scientists and librarians
- print and CD-ROM versions of all 11 ASM journals:

*Journal of Bacteriology*

*Journal of Virology*

*Molecular and Cellular Biology*

*Infection and Immunity*

*Journal of Clinical Microbiology*

*Applied and Environmental Microbiology*

*Antimicrobial Agents and Chemotherapy*

*Clinical and Diagnostic Laboratory*

*Immunology*

*Microbiological Reviews*

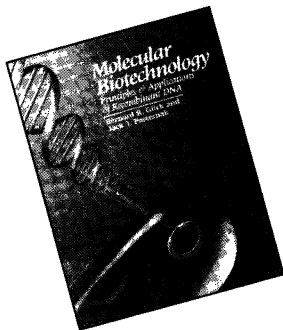
*Clinical Microbiology Reviews*

*International Journal of the Systematic  
Bacteriology*

For 1994 subscription information  
and a technical specification sheet,  
write to the Subscriptions Unit,  
American Society of Microbiology,  
1325 Massachusetts Avenue, N.W.,  
Washington, DC 20005-4171,  
or fax inquiries to  
(202) 942-9346.

**ASM**  
American Society  
for Microbiology

## NEW FROM ASM PRESS



*A comprehensive, engaging, full-color textbook on biotechnology*

# MOLECULAR BIOTECHNOLOGY

## *PRINCIPLES AND APPLICATIONS OF RECOMBINANT DNA*

Bernard R. Glick and Jack J. Pasternak

**Molecular Biotechnology** is the first text to cover both the underlying scientific principles and the wide-ranging industrial, agricultural, pharmaceutical, and biomedical applications of recombinant DNA technology. It is lucidly written in jargon-free language and contains nearly 200 color illustrations. Part I provides solid coverage of recombinant DNA technology, gene sequencing, PCR, monoclonal antibodies, protein engineering, and other major techniques for biotechnology. Part II develops the scientific principles and offers coverage of a wide variety of industrial and pharmaceutical applications being developed in microbial host systems. Part III covers the biotechnology of plants, animals, and human gene therapy. Part IV concludes the book with evenhanded coverage of economic, social, and regulatory issues. The book serves as an excellent primary text for courses in biotechnology and applied molecular biology or as a concise, up-to-date reference for health professionals, scientists, engineers, or attorneys interested in biotechnology.

Examination copies are available to professors teaching appropriate courses. Please request a copy on your university stationery and indicate course title, semester, and enrollment. Mail it to: ASM Press, 1325 Massachusetts Ave., N.W., Washington, DC 20005.

March 1994. Softcover ISBN 1-55581-071-3, 513 pages, 190 illustrations, index. ASM Member and List price: \$39.95. Shipping charges: \$2.00.

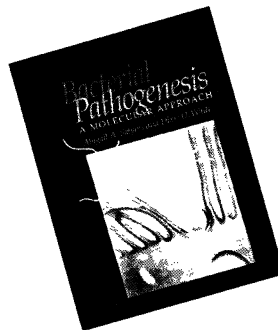
ASM accepts VISA, American Express, MasterCard, EuroCard, purchase orders, and checks drawn on U.S. banks in U.S. dollars. Canadian orders must include 7% G.S.T. ASM Press, P.O. Box 605, Herndon, VA 22070 USA. Fax: (703) 689-0660.

☎ 1-800-546-2416

4MR

AMERICAN SOCIETY FOR MICROBIOLOGY

## NEW FROM ASM PRESS



# BACTERIAL PATHOGENESIS

## *A MOLECULAR APPROACH*

Abigail A. Salyers, Ph.D., and Dixie D. Whitt, Ph.D.

*"This wonderful book by Abigail Salyers and Dixie Whitt fills the need for a textbook designed to introduce students at all levels into the field of bacterial pathogenesis. The authors have done a splendid job of capturing the rich excitement that pervades the field, they have portrayed the intradisciplinary nature of the field, and they have weaved enough cell biology and cellular immunology into their text to do justice to the breadth of this experimental specialty."* — Stanley Falkow, Stanford University (from the Foreword)

### CONDENSED CONTENTS

- Foreword by Stanley Falkow
- Part I. Introduction to the Host-Parasite Interaction (8 chapters)
- Part II. Paradigms of Bacterial Disease (13 chapters)
- Part III. Future Challenges (7 chapters)

Examination copies are available to professors teaching appropriate courses. Please address your request on university stationery, indicating course information, and mail it to: ASM Press, 1325 Massachusetts Ave., N.W., Washington, DC 20005.

May 1994. Softcover ISBN 1-55581-070-5, 475 pages, 150 figures, glossary, index. ASM Member and List price: \$44.95.

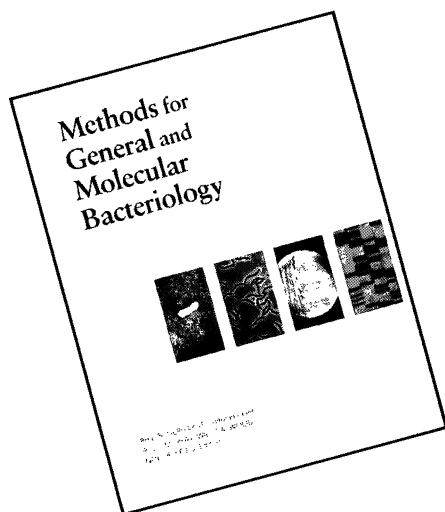
ASM accepts VISA, American Express, MasterCard, EuroCard, purchase orders, and checks drawn on U.S. banks in U.S. dollars. Canadian orders must include 7% G.S.T. ASM Press, P.O. Box 605, Herndon, VA 22070 USA. Fax (703) 689-0660.

☎ 1-800-546-2416

4MR

AMERICAN SOCIETY FOR MICROBIOLOGY

## NEW FROM ASM PRESS



*A major revision of the classic **Manual of Methods for General Bacteriology***

# METHODS FOR GENERAL AND MOLECULAR BACTERIOLOGY

Editor in Chief: Philipp Gerhardt. Editors: R. G. E. Murray, Willis A. Wood, Noel R. Krieg

This is the long awaited revision of ASM's extremely popular **Manual of Methods for General Bacteriology** (1981, Gerhardt et al.). In keeping with the immense impact molecular biology has had on bacteriology and to accurately reflect the revised contents, the title of the new edition has been changed to **Methods for General and Molecular Bacteriology** (MGMB).

The objective of **MGMB** remains the same as for its popular predecessor: "to meet the need for a compact, moderately priced handbook of reliable, basic methods for practicing general bacteriology in the laboratory." As a laboratory methods manual, **MGMB** covers all kinds of bacteria, archaebacteria as well as eubacteria, complementing systematics treatises such as **Bergey's Manual of Systematic Bacteriology** and **The Prokaryotes**.

Nine new chapters include the new methodology in molecular genetics, systematics, antigen-antibody reactions, photography, and records and reports. Chapters from the earlier edition have been extensively reviewed, updated, and expanded.

Painstakingly written by leading scientists and carefully revised over the past three years, **MGMB** offers researchers, teachers, students, and all who work in laboratories with any kind of bacteria, an authoritative guide to both the latest and classic techniques so crucial to doing good science with prokaryotes. Written in the tradition of ASM's classic manuals, **MGMB** will serve as a valuable reference and teaching tool for any microbiology laboratory.

### CONDENSED CONTENTS (Section Editor)

Methodology for General and Molecular Bacteriology (Philipp Gerhardt)

- I. Morphology (R. G. E. Murray; 5 chapters, 1 is new)
- II. Growth (Philipp Gerhardt; 7 chapters)
- III. Molecular Genetics (Philipp Gerhardt; 8 chapters, 4 are new)
- IV. Metabolism (Willis A. Wood; 4 chapters)
- V. Systematics (Noel R. Krieg; 4 chapters, 2 are new)
- VI. General Methods (Philipp Gerhardt; 3 chapters, 2 are new)

December 1993. Hardcover (ISBN 1-55581-048-9), 825 pages (est.), illustrations, index. List price, \$69.00; ASM Member, \$56.00. Shipping charges: U.S., \$3.50/book; Non-U.S., \$6.50/book.

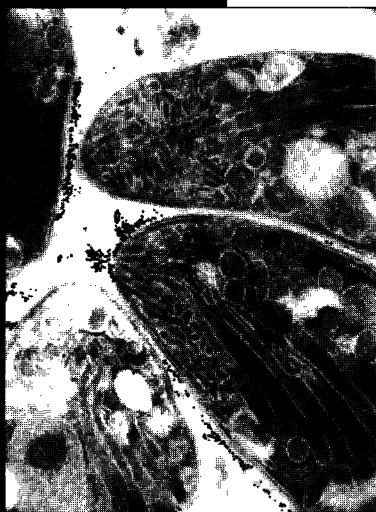
ASM accepts VISA, American Express, MasterCard, EuroCard, purchase orders, and checks drawn on U.S. banks in U.S. dollars. Canadian orders must include 7% G.S.T.  
ASM Press, P.O. Box 605, Herndon, VA 22070 USA. Phone: (703) 787-3305. Fax: (703) 689-0660.

A major new  
journal from  
the American  
Society for  
Microbiology...

# Clinical and Diagnostic Laboratory Immunology

*Editor in Chief:* Steven D. Douglas

*Editors:* James D. Folds, David E. Normansell, Noel R. Rose,  
Daniel P. Stites, and Theresa L. Whiteside



This stimulating bimonthly publication brings together in a single journal authoritative peer-reviewed reports on the latest developments in human immune response assessment, including indications for testing, methods, and interpretation of results.

Areas covered include: humoral and cellular immunity, including specific immune cell functions (B cells, T cells, and their subsets); mediators and cytokines, complement components, and other serum proteins; natural killer cells, monocytes/macrophages, neutrophils, and myeloid cells; immune responses to infection caused by bacteria, viruses, fungi, and parasites; AIDS and other retroviral diseases; primary and secondary immunodeficiency disorders; evaluation of hypersensitivity and autoimmune diseases; histocompatibility and transplantation immunology; lymphoreticular malignancies and cancer immunology; immunogenetic testing applied to human disease diagnosis and evaluation; immunologic monitoring, including flow cytometry and vaccine therapy; laboratory immunology as related to allergy, dermatology, immunohematology, rheumatology, neurology, oral medicine, and other medical and surgical subspecialties; purification of products for use as probes in the immune response.

Novel animal models relevant to the diagnosis of human disease, animal studies on how to assess the immune response, new or evolving technology in diagnostic methods, establishment of normal immune responses and/or values, case reports, quality control, and biostatistics are also suitable topics for the journal. Minireviews, guest commentaries, and letters to the editor will be included.

## Recent issues of CDLI have contained such exciting articles as:

- "Flow Cytometric Immunodetection of Human Immunodeficiency Virus Type 1 Proviral DNA by Heminested PCR and Digoxigenin-Labeled Probes" by G. Yang, S. Garhwal, J. C. Olson, and G. N. Vyas
- "Decline in Delayed-Type Hypersensitivity Response in Obese Women following Weight Reduction" by D. D. Stallone, A. J. Stunkard, B. Zweiman, T. A. Wadden, and G. D. Foster
- "Spontaneous Lymphocyte Proliferation in Human T-Cell Lymphotropic Virus Type I (HTLV-I) and HTLV-II Infection: T-Cell Subset Responses and Their Relationships to the Presence of Provirus and Viral Antigen Production" by H. E. Prince, J. York, J. Golding, S. M. Owen, and R. B. Lal
- "A Confocal Microscopy Study of Anticytoskeletal Antibody Activity in Patients with Connective Tissue Disease" by P. W. French, R. Penny, and J.-L. Yang
- "Effects of Mild Exercise on Cytokines and Cerebral Blood Flow in Chronic Fatigue Syndrome Patients" by P. K. Peterson, S. A. Sirr, F. C. Grammish, C. H. Schenck, A. M. Pheley, S. Hu, and C. C. Chao
- "Enriched HLA-DQ3 Phenotype and Decreased Class I Major Histocompatibility Complex Antigen Expression in Recurrent Respiratory Papillomatosis" by V. R. Bonagura, F. P. Siegal, A. L. Abramson, F. Santiago-Schwarz, M. E. O'Reilly, K. Shah, D. Drake, and B. M. Steinberg

For regular access to more of such up-to-date science, join the American Society for Microbiology and subscribe to CDLI at LOW MEMBER RATES: \$40, U.S.A. (Canadians add 7% GST); \$68, other countries.

ISSN 1071-412X. 600 pages/year. Bimonthly (6 issues/year). Subscriptions start with the January 1994 issue.

For NONMEMBER rates and for information and pricing on CD-ROM versions, fax (202 942-9346) or write to the Subscriptions Unit at the address given below.

To SUBMIT manuscripts contact: Journals Department, American Society for Microbiology, 1325 Massachusetts Ave., N.W., Washington, DC 20005-4171. To JOIN ASM, contact the Membership Department at the same address.